

ABSTRACT

Disclosed is provided a method for switching an operation mode from a non-USTS to a USTS mode in a Node B capable of communicating with a UE in both the non-USTS mode and the USTS mode. The Node B calculates a difference value between a start point of a downlink dedicated channel frame in a downlink dedicated channel transmitted to the UE in the non-USTS mode and a start point of an uplink dedicated channel frame in an uplink dedicated channel received from the UE. The Node B determines a first control value for controlling the start point of the uplink dedicated channel frame in the uplink dedicated channel by comparing the difference value with a given reference value, and also determines a second control value such that the second control value for the start point of the downlink dedicated channel frame in the downlink dedicated channel becomes a multiple of a given number of chips. Further, the Node B informs the UE of the determined first and second control values, and then transmits a downlink dedicated channel signal such that the start point of the downlink dedicated channel frame becomes a start point determined based on the second control value.